"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ZDUNKIEWICZ, Marian, mgr inz.

Problem of yield in the tube rolling plant of the B. Bierut Iron Works. Wiad hut 15 no.9:261-267 S '64.

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ZDUNKIEWICZ, Marian, mgr inz.

Pipes with spiral intermittent weld. Wiad hut 19 no.7/8: 204-209 J1/Ag '63.

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ZDUNKIEWICZ, Marian (Engineer)

"Walcowanie stali na zimno" (Cold-Rolling of Steel)

SO: Wiadomosci Hutnicze (Metallurgical News), No. 3

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ZDUNKIEWICZ, Marian, mgr.inz.

Economical effect of technological progress and the profitability of plants. Wiad hut 17 no.7/8:233-236 Jl-Ag '61.

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ZDUNKIEWICZ, Marian, mgr inz.

Profiling techniques of seamless pipes. Wiad hut 21 no.3:78-83 Mr '65.

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

L 04024-67 T-2/EWP(h)
ACC NR: AP6026289 (A,N) SOURCE CODE: PO/0069/66/000/007/0581/0585

AUTHOR: Zdunowski, J. (Major, Doctor); Sitarz, A. (Major, Doctor); Kowalik, M. (Major, Doctor)

ORG: none

44
B

TITLE: Evacuation of wounded in Mi4 helicopter

SOURCE: Lekarz wojskowy, no. 7, 1966, 581-585

TOPIC TAGS: medical equipment, military medicine, helicopter, passenger aircraft

ABSTRACT: The Mi4 helicopter can transport eight litter cases and a medical corpsman. The authors present a standard operating procedure for the evacuation of litter cases from points at or near the front line. They discuss the relatively simple modification of the cabin of a standard troop carrier version, the placement of litter suspension belts, oxygen tanks, medicine chest and other equipment, the litter loading procedure and sequence, the preparation of the evacuees, in-flight functions of the corpsman, and the unloading procedure. Orig. art. has: 1 figure.
[26]

SUB CODE: 01,06/ SUBM DATE: 03Dec65/ ORIG REF: 006/ OTH REF: 001/ SOV REF: 001

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APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

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ZDUNSKA, A.

Second Conference on Experimental Antineoplastic Chemotherapeutics.
Wiad chem 16 no.11:710-711 N '62.

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ROLSKI, Stanislaw; ZDUNSKA, Alina

Separation of L-histidine from hydrolysates of dehydrated bovine blood by means of 3,4-dichlorobenzenesulfonic acid. Acta pol. pharm. 19 no.5:427-430 '62.

1. Z Katedry Chemii Farmaceutycznej Akademii Medycznej w Warszawie Kierownik: prof. dr S. Rolski.
(PROTEIN HYDROLYSATES) (HISTIDINE) (SULFONIC ACIDS)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ZDUNSKA, ALINA

TULCZYNSKI, Marian; ROLSKI, Stanislaw; ZDUNSKA, Alina; SAGANEK, Barbara

Treatment of Addison-Biermer's anemia with placental extract. Polski tygod. lek. 12 no.21:781-783 20 May 57.

1. Z I Kliniki Chorob Wewnetrznych A. M. w Bialymstoku; kierownik: prof. dr. med. Tulczynski i z Zakladu Chemii Farmaceutycznej A. M. w Warszawie: kierownik: prof. dr. farm. S. Rolski. Adres: Warszawa, ul. Lekarska 11.

(ANEMIA, PERNICIOUS, therapy,
placental tissue ther. (Pol))
(TISSUE THERAPY, in various diseases,
anemia, pernicious, placental extract (Pol))

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ROLSKI, Stanislaw; ZDUNSKA, Alina; POPKO, Alina

Studies on L-leucine hydrochloride compounds. Acta pol. pharm. 20 no.2:141-145 '63.

1. Z Katedry Chemii Farmaceutycznej Akademii Medycznej w Warszawie Kierownik: prof. dr St. Rolski.
(LEUCINE) (CHEMISTRY, PHARMACEUTICAL)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ROLSKI, Stanislaw; ZDUNSKA, Alina; ILIASZENKO, Janina; OSICKA, Anna

New method for the isolation of L-leucine from protein hydrolysates. Acta Pol. pharm. 22 no.3:233-236 '65.

1. Z Zakladu Chemii Farmaceutycznej Akademii Medycznej w Warszawie (Kierownik: prof. dr. St. Rolski).

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ROLSKI, Stanislaw; ZDUNSKA, Alina; SOKOLOWSKA, Maria

New method of isolation of L-leucine and L-arginine from keratin hydrolisates. Acta Pol. pharm. 22 no.2:123-127 '65.

1. Z Zakladu Chemii Farmaceutycznej Akademii Medycznej w Warszawie (Kierownik: prof. dr. S. Rolski).

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

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SONKA, J.; KRIZEK, V.; STEPANEK, P.; KUCEROVA, M.; ZBIRKOVA, A.; ZDVIHAL, J.

Muscle activity and a reducing regimen. Vnitrni lek. 11 no.3: 245-261 Mr '65

1. Laborator pro endokrinologii a metabolismus, fakulta vseobecneho lekarstvi v Praze (prednosta akademik Josef Charvat); Vyzkumny ustav pro fyziatrii, balneologii a klimatologii, Marianske Lazne (prednosta: prof. Karel Prerovsky, Dr.Sc.) a katedra telesne vychovy Karlovy University, Praha (vedouci: doc. Jiri Jirousek).

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

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Zdybicki, 2

Composition of Mycenian cow's milk. S. Wójcik and Z. Zdybicki (Ann. Univ. M. Curie-Skłodowska 1954, **9**, E, 321–328). Mean values are dry matter 11·5, ash 1·28, Ca 0·162, P 0·121, fat 27·9, protein 13·7 (caseinogen 9·3, lactalbumin 2·7, lactoglobulin 1·1), lactose 0·55, and lecithin 0·185%, and carotene 0·02 and vitamin A 0·08 p.p.m. Values for colostrum are dry matter 45·4, ash 1·7, org. matter 43·1, total N 2·9, caseinogen 6·3 (albumin + globulin) 10·9, fat 23·8, and lactose 0·8%. R. Tauscue.

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APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ZDYBICKI, ZDZISLAW

Chemical composition of coypu (Myocastor coypus) milk. Stanisław Wójcik and Zdzisław Zdybicki (M.C.S. Univ., Lublin, Poland). *Ann. Univ. Mariae Curie-Skłodowska, Lublin-Polonia*, Sect. E, 9, 321-8(1964).—Results of chem. analysis of milk and colostrum of coypu are given. Milk sp. wt. 1.03, dry matter 38.6-42.3, ir. matter 1.2-1.5, N 1.8-3.4, total protein 11.6-15.1, ca. 6.5-11.8, albumin 2.1-4.2, globulin 1.0-1.6, fat 20.1-31.4, lecithin 0.3, lactose 0.2-1.1, Na 0.5, P 0.1, and total ash matter 40.3%; carotene 200 γ, vitamin A 800 γ/%. Colostrum: sp. wt. 1, dry matter 46.4, inorg. matter 3.3, org. matter 43.1, N 2.9, total protein 18.3, casein 6.5, albumin and globulin 10.9, fat 33.8, and lactose 0.8%. R. Ehrlich

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ZDYBIEWSKA, Maria

A review of the more important methods of chemical determination of oxygen needs in water and sewage. Przem chem 41 no.7: 394-397 Jl '62.

1. Katedra Technologii Wody i Sciekow, Politechnika Slaska, Gliwice.

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

Zdybiewski, Marian

POLAND/Chemical Technology - Chemical Products and Their Application - Leather. Fur. Gelatin. Tanning Agents. Technical Proteins. I-29

Abs Jour : Referat Zhur - Khimiya, No 9, 1957, 33116

Author : Zdybiewski Marian

Inst :

Title : Tanning with Resins

Orig Pub : Przegl. skorzany, 1956, 11, No 3, 59-62; No 4, 93-96

Abstract : Description of experiments on tanning of dehaired hides with resins, by incorporation of monomers or water soluble polymers into the hide, followed by polymerization within the hide. Methylolmelamines were used in the tanning experiments since they polymerize in the hide at pH 4.8-5.3, which permits to combine this treatment with chrome tanning. The experimental tanning was conducted in accordance with 3 variants: 1) tanning with only the melamine resin, 2) tanning with this resin followed by

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ZDYBIEWDKI, M.

Lacquer leather. p. 36.
PRZEGLAD SKORZANY, Lodz, Vol. 10, no. 2, Feb. 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955, Uncl.

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PALUCH, J.; RADECKA, S.; ZDYBIEWSKA, M.; FILIPOWICZ, J.

Microbiologic characteristics of river reservoir for water supply in Kozlowa Gora. Acta microb. polon 5 no.1-2: 173-180 1956.

1. Z Zakladu Badan Wodociagowych i Kanalizacyjnych i Katedry Technologii Wody i Sciekow Politechniki Slaskiej w Gliwicach.
(WATER SUPPLY, microbiology,
(Pol))

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

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ZDYBIEWSKA, M.

Certain biochemical changes observed in brewery sewage during its spontaneous deacidification. Acta Microb.polon. 8:111-113 1959.

(SEWAGE)

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PALUCH, J.; ZDYBIEWSKA, M.

Characteristics of certain bacteria isolated from rapid filters in the pumping station in Kozlowa Gora. Acta Microb.polon. 8:67-76 1959.

1. Z Katedry Techniki Sanitarnej oraz Katedry Technologii Wody i Sciekow Politechniki Slaskiej w Gliwicach.
(WATER SUPPLY microbiol.)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ZDYBIEWSKI, M.

ZDYBIEWSKI, M. Technical progress in the production of leathers for technical purposes of the textile industry in the 5-Year Plan. p. 38

Vol. 11, no. 2, Feb. 1956
PRZEGLAD SKORZANY
TECHNOLOGY
Lodz, Poland

So: East European Accession Vol. 6, no. 2, 1957

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

SEVAST'YANOV, R.M. (Moskva); ZDUNKEVICH, K.P. (Moskva)

Thermodynamic functions of a gas mixture at high temperatures.
Inzh. zhur. 4 no.4:639-645 '64 (MIRA 18:2)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

BOBOKHIDZE, O.; ARTAMONOV, L.; ORLOV, A.; ZDYBSKIY, I.; KOVALEV, I.; ZUBARSKIY, N.; FRIDMAN, M.

Letters to the editor. Sov.profsoiuzy 7 no.23:54-56 D '59. (MIRA 12:12)

1. Instruktor sovprofa Gruzii (for Bobokidze). 2. Sotrudnik gazety "Trudovoy front" (for Artamonov). 3. Zamestitel' predsedatelya fabrichno-zavodskogo komiteta Ivanovskogo melanzhevogo kombinata (for Orlov). 4. Zamestitel' predsedatelya mestnogo komiteta bazy Tyrny-Auzskogo kombinata Kabardino-Balkarskoy ASSR (for Zdybskiy).
(Trade unions) (Efficiency, Industrial)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ZDYBEK, Jozef

Response of winter rape varieties to certain external factors as seen on results of variety tests obtained by Azzi's method. Postepy nauk roln 11 no.6:39-48 N-D '64.

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ZDYBIEWSKA, Maria

Studies on processes occurring on tower beds in purifying phenol sewages from chemical coal processing. Chemia Gliwice no.18:1-118 '63.

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

were recommended. Authors' abstract.

SUB CODE: NA

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ZDZIARSKI, Z.

"Green fodder is the best and cheapest for cattle" p. 21 (plon, Vol. 4, No. 5, May 1953, Warszawa)

SO: Monthly List of Russian Accessions, East European Vol. 3, No. 3 Library of Congress, March 1953, Uncl. 4

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

POLAND/Soil Science. Organic Fertilizers J-6

Abs Jour : Ref Zhur - Biol., No 20, 1958, No 91474

Author : Misterski Wl., Andrzejewski A., Zdzieblowski J.
Inst : Institute of Agrotechny
Title : On the Spreading of Manure in Winter

Orig Pub : Roczn. Nauk. Rolniczych, 1956, A73, No 3, 349-365

Abstract : In field experiments, made with potatoes for four years by the Institute of Agrotechnics, Fertilizers and Soil Science at the Baboruvko experimental farm, similar harvests have been obtained, independent of the time of spreading the manure after the deep autumn plowing. On a four year average, the following harvests of tubers are reported for different times of spreading: January-302 centners/ha, February 302, March 290 and April (with immediate tillage) 294 centners/ha. The same results have already been obtained at three farms with slightly different climatic conditions. Winter application is not permissible on slopes. -- A.I. Zhurbitskiy

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APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

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ZDZIEBORSKI, Zygmunt, inz.

Ways of determining the detonation properties of high-octane benzenes and their components of LO above 100. Nafta Pol 19 no.10:239-241 O '63.

1. Instytut Technologii Nafty, Warszawa.

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ZDZIECH, H.

Automatization of interurban telephone systems. p. 232.
(TELE-RADIO. Vol. 2, No. 5, May 1957, Warszawa, Poland)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 12, Dec. 1957.
Uncl.

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ZDZIECH, H.

Economics of the international telecommunication system. p. 333.
(TELE-RADIO. Vol. 2, no. 7, July 1957, Warszawa, Poland)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 12, Dec. 1957.
Uncl.

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ZDZIECH, H.

Standardization of telegraph apparatus. p. 373.
(TELE-RADIO. Vol. 2, no. 8, Aug. 1957, Warszawa, Poland)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 12, Dec. 1957.
Uncl.

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ZDZIECH, Henryk, mgr inz.

Activities of the Association of Polish Electrical Engineers in 1962-1963. Przegl telekom 36 [i.e. 37] no. 6:182-183 Je '64.

1. Secretary General, Association of Polish Electrical Engineers, Warsaw.

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ZDZIECH, Henryk, mgr inz.

Jubilee of "Przeglad Elektrotechniczny" and the 16th Convention of Delegates of the Association of Polish Electrical Engineers. Przegl elektrotechn 40 no.6:250-251 Je '64

1. Secretary General, Association of Polish Electrical Engineers, Warsaw.

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ZDZIECH, Henryk, mgr inz.

Plan of activites for 1964 of the Association of Polish Electrical Engineers. Przegl tlekom 36 [i.e. 37] no. 4: 116-117 Ap '64.

1. Sekretarz Generalny Stowarzyszenia Elektrykow Polskich, Warszawa.

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ZDZIECH, Henryk, mgr inz.

Activities of the Association of Polish Electrical Engineers during the time between its 15th and 16th General Convention of Delegates. Wiad elektrotechn 32 no.7:183-185 Jl '64.

1. Secretary General, Association of Polish Electrical Engineers, Warsaw.

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

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ZDZIECH, Henryk, mgr inz.

Problems concerning Poland's economic development as connected with the activities of the Association of Polish Electrical Engineers, the main subject of the 16th General Convention of Delegates of the Association of Polish Electrical Engineers in Poznan. Przegl telekom 36 no.10:292-295 O '64.

1. Secretary General, Polish Electrical Engineers Association, Warsaw.

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

TOPOLSKA, Paula; ZDZIECHOWSKA, Halina

Some modern isotope studies applied in hematology. Pol. tyg. lek. 19 no.40:1542-1544 5 9 '64

1. Z Kliniki Chorob Wewnetrznych Instytutu Hematologii (Kierownik: doc. dr. med. S. Pawelski).

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

LESZKO, Bozena; ZDZIECHOWSKA, Halina

Possible appearance of leukemias following therapeutic or diagnostic use of ionizing radiations. Pol. tyg. lek. 17 no.33:1300-1302 13 Ag '62.

1. Z Oddzialu Chorob Wewnetrznych; kierownik: dr. med. S. Pawelski-- Instytutu Hematologii w Warszawie; dyrektor: doc. dr med. A. Trojanowski.
(LEUKEMIA RADIATION INDUCED)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

PAWELSKI, Slawomir; DAROCHA, Tadeusz; ZDZIECHOWSKA, Halina; KOWALSKI, Henryk, KONOPKA, Lech.

Comparison of the diagnostic value of determining the life span of erythrocytes labeled with Cr51 and excretion of bile pigments in hemolytic syndromes. Pol. arch. med. wewnet. 34 no.9:1245-1250 '64

1. Z Oddzialu Chorob Wewnetrznych Instytutu Hematologii (Kierownik: doc. dr. med. S. Pawelski) i z Zakladu Radiologii Akademii Medycznej w Warszawie (Kierownik: prof. dr. med. L.Zgliczynski).

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ZDZIENICKI, Stanislaw

Studies on the effectiveness of air disinfection with ultraviolet rays. III. Surface effect of ultraviolet rays. Przegl. epidem. 16 no.3:321-324 '62.

1. Z Wojskowego Instytutu Higieny i Epidemiologii.
(ULTRAVIOLET RAYS) (DISINFECTION) (AIR MICROBIOLOGY)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ZDZIENICKI, Stanislaw; NOWOSIELSKI, Tadeusz

Eggs of gastrointestinal parasites on vetetables from Warsaw markets. Wiadomosci parazyt., Warsz. 6 no.1:67-69 '60.
(VEGETABLES parasitol.)
(HELMINTHS)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ZDZIENICKI, Stanislaw; DIECHTIAR, Marek

Determining the size of aerosol particles. Przegl. epidem. 15 no.1: 67-76 '61.

1. Z Wojskowego Instytutu Higieny i Epidemiologii Kierownik: prof. dr M.Nikonorow.

(AEROSOLS)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ZDZIENICKI, Stanislaw

Studies on the effectiveness of air disinfection with ultraviolet rays. I. Evaluation of air disinfection with ultraviolet rays in civilian and military hospitals according to an inquiry. Przegl. epidem. 15 no.3:311-323 '61.

1. Z Wojskowego Instytutu Higieny i Epidemiologii.
(AIR microbiol) (ULTRAVIOLET RAYS) (HOSPITALS)
(DISINFECTION)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ZDZIENICKI, Stanislaw

Studies on the effectiveness of air disinfection with ultraviolet rays.
Przegl. epidem. 16 no.1:19-31 '62.

1. Z Wojskowego Instytutu Higieny i Epidemiologii
(AIR microbiol) (ULTRAVIOLET RAYS) (DISINFECTION)

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POLAND

ZDZIENICKI, Stanislaw, Military Institute of Hygiene and Epidemiology (Wojskowy Instytut Higieny i Epidemiologii)

"Study of Efficacy of Ultraviolet Rays in Disinfection of the Air."

Warsaw, Przeglad Epidomiologiczny, Vol 16, No 3, 62, pp 321-334.

Abstract: [Author's English summary modified] Techniques and materials are described. Indirect irradiation did not destroy bacteria, regardless of distance, time, and type of lamp. Best results were obtained when medium and filter were irradiated by low vapor pressure lamps. Author summarizes results of his experiments and questionnaires and makes some recommendations for hospitals. Of the 25 references, 6 are Polish, 5 Soviet, 3 English, and 11 German.

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ZDZIENNICKI, T.

"Cold reduction of the diameter of pipes by continuous swaging." p. 288. (HUTNIK, Vol. 20, no. 9, 1953, Katowice, Poland)

SO: Monthly List of East European Accessions, L. C., Vol. 3, No. 5, May 1954, Uncl.

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

18(5), 25(5) POL/39-59-4-6/14

AUTHOR: Zdziennicki, Tadeusz, Master of Engineering Sciences

TITLE: The Importance of Reduction Rolling Mills in the Production of Seamless Steel Tubes

PERIODICAL: Hutnik, 1959, Nr 4, pp 161-164 (Poland)

ABSTRACT: The author opens with a brief discussion of the merits of reduction mills, especially of the respective merit of hot and cold rolling and of the advantages of rolling over drawing processes. He then goes on to describe the structure of rolling apparatus. There follows a description of three experiments to produce a tube with a diameter of 1/2" by three methods: hot drawing, rolling in a mill without adjustable tension and rolling on a mill with adjustable tension (in this case the number of revolutions of each separate system of rolls can be regulated). The author concludes that rolling is superior to drawing and that rolling on machines where tensions can be adjusted at will can lead to a 50% increase in productivity

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POL/39-59-4-6/14

The Importance of Reduction Rolling Mills in the Production of Seamless Steel Tubes

compared to machine where tension cannot be regulated. There are three types of such adjustable rolling mills being made today: two German, made by the firms Kocks and Meer and one American which is produced in Europe under licence by Innocenti of Milan. This American machine the author finds the simplest and cheapest to operate. There are 3 diagrams and 2 photographs

ASSOCIATION: ZHZS - Katowice

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ZDZIENNICKI, T.

Pressing of steel tubes by the Sejournet's method.
(Based on Stahl und Eisen, 1953, No. 11)
By T. Zdziennicki.....

100

SO: Hutnik, #3, Mar 55, pp 77-112.

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ZDZIENNICKI, T.

"Zinc plating as affected by impurities and additions of various metals to zinc." p. 293. (HUTNIK, Vol. 20, no. 9, 1953, Katowice, Poland)

SO: Monthly List of East European Accessions, L. C., Vol. 3, No. 5, May 1954, Uncl.

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ZDZIENNICKI, T.

Resistance welding of pipes with high-frequency electric current. p. 186

HUTNIK. (Panstwowe Wydawnictwa Techniczne) Katowice, Poland. Vol. 26, no 5, May 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 9, Sept. 1959
uncla.

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ZDZIESZYNSKI, L.

Viscose casings for sausages. p. 5

GOSPODARKA MIESNA (Polskie Wydawnictwa Gospodarcze) Warszawa, Poland.
Vol. 11, no. 5, May 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 9, Sept 1959
Uncl.

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ZDZIESZYNSKI, L.

Organization of the work in the assembly-line processing of hog casings. p. 10.

GOSPODARKA MIESNA. (Polskie Wydawnictwa Gospodarcze) Warszawa, Poland
Vol. 11, no. 11, Nov. 1959

Monthly list of East European Accessions. (EEIA) LC. Vol. 9, no. 1,
Jan. 1960

Uncl.

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ZDZIESZYNSKI, L.

How to operate Titan apparatus. p. 5

GOSPODARKA MIESNA (Polskie Wydawnictwa Gospodarcze) Warszawa, Poland.
Vol. 11, no. 6, June 1959

Monthly List of EastEuropean Accessions (EEAI) LC, Vol. 8, no. 9, Sept 1959
Uncl.

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ZDZISLAW BRZOZOWSKI, A.

(1)

Chemical Abst.
Vol. 48 No. 9
May 10, 1954
Biological Chemistry

Determination of vitamin A. Zdzislaw Brzozowski. *Farm. Polska* 9, 46-8(1953).—Vitamin A detns. were made on Et_2O ext. of dry food products (candy, bread, etc.), tissues, organs, and fats. The Et_2O was evapd., and the residue was dissolved in anhyd. $CHCl_3$. To 0.2 ml. of this $CHCl_3$ soln. 1 drop of glacial AcOH and 3 ml. $SbCl_3$ were added. After 5–10 sec. the samples were compared in a colorimeter with a set of standards. The following results were obtained: beef liver 30 mg. %; beef kidneys 2–2.5 mg. %; cow summer milk 0.1–0.5 mg. %; cream 0.6 mg. %; egg yolk 2.5–15 mg. %; and cod-liver fat 6.25–27.5 mg. %.
L. J. Piotrowski

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ZDZIENICKI, Stanislaw

Presence of gastrointestinal parasitic eggs in vegetables. Wiadomosci parazyt., Warsz. 4 no.5-6:537; Engl. transl. 537-538 1958.

1. Z Wojskowego Centralnego Laboratorium Sanitarno-Higienicznego w Warszawie.

(VEGETABLES, microbiology,
helminth eggs (Pol))
(HELMINTHS,
eggs in vegetables (Pol))

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

TYNECKI, Jozef; CHIBOWSKI, Daniel; LONGIN, Luty; ZDZISLAW, Kruszynski

A case of congenital toxoplasmosis. Pol. tyg. lek. 17 no.33:1312-1313 13 Ag '62.

1. Z II Kliniki Chorob Kobiecych i Poloznicznych AM w Lublinie; kierownik: prof. dr med. Jozef Tynecki i z Zakladu Anatomii Patologicznej AM w Lublinie; kierownik: prof. dr med. Stanislaw Mahrburg.
(TOXOPLASMOSIS CONGENITAL)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ZDZISLAW, Wiktor

Ethiopathogenesis and clinical aspects of pylonephritis in the light of our observations. Pol. tyg. lek. 17, no.29:1144-1150 16 Jl '62.

1. Z Kliniki Nefrologicznej; kierownik: prof. dr Zdz. Wiktor -- III Katedry Chorob Wewnetrznych AM we Wroclawiu; kierownik: prof. dr E. Szczeklik.

(PYELONEPHRITIS)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

WILHELMI ZDZISLAW, IV

POLAND/Nuclear Physics - General C-1

Abs Jour : Ref Zhur - Fizika, No 3, 1958, No 5247

Author : Wilhelmi Zdzislaw
Inst : Not Given
Title : Two Years' Activity of the Institute for Nuclear Research (of the Polish Academy of Sciences).

Orig Pub : Nauka polska, 1957, 5, No 2, 121-130

Abstract : No abstract

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APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ZDZIARSKIY, A.N., glavnyy red.; ISLENT'YEVA, P.G., tekhn.red.

[Classified plan of books and pamphlets to be published during 1958] Tematicheskii plan vypuska knig i broshiur na 1958 god. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1957. 1 v. (MIRA 13:3)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye knizhnoy torgovli.
(Bibliography--Metallurgy)

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ZEBALSKI, A.

"A long-term agricultural plan."

p. 723 (Nowe Rolnictwo, Vol. 7, No. 18, Sept. 1958. Warsaw,Poland.)

Monthly Index of East European Accessions (EEAI) LC, Vol. 8, No. 1, Jan. 1959

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ZEBALSKI, ADAM.

Produkeja ogrodnicza i jej znaczenie dla dobrobytu wsi. (1. wyd. Warszawa) Ludowa Spoidzieinia Wydawnicza (1955) 151 p. (Garden production and its importance for the prosperity of the village. 1st ed.)
DA Not in DLC

SOURCE: East European Accessions List (EEAL) Library of Congress, Vol. 5, No. 12, December 1956

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ZEBEC, M.

5

The refractive-index increment of dextran for the molecular-weight determination by light scattering. M. Zebec, G. Deželić, J. Kratohvil, and K. F. Schulz (Univ. Zagreb, Yugoslavia). *Croat. Chem. Acta* 30, 251-5 (1958) (in English).—On comparing published data for the increment, dn/dc, of dextran in water, considerable differences were noted at wave length 546 mμ. These differences may cause serious errors in calcg. mol. wts. of dextran from light-scattering measurements. The following values for dn/dc were found (in cc./g.): 0.1518 ± 0.0012 for 436 mμ, 0.1481 ± 0.0013 for 546 mμ, and 0.1476 ± 0.0013 for 578 mμ. These values agree very closely with the mean values published in the literature. J. Kratohvil

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ZEBEC, M.; DEZELIC, Gj.; DEZELIC, N.; KRATOHVIL, J.P.

Physicochemical studies of dextran. I. Characterization of clinical samples. Croat chem acta 36 no.1:13-26 '64.

1. Department of Applied Biochemistry, Andrija Stampar School of Public Health, Faculty of Medicine, University of Zagreb, Zagreb. Present address: Clarkson College of Technology, Potsdam, New York, U.S.A. (for Kratohvil); present address: Fuels Branch Research Council of Alberta, Edmonton, Alberta, Canada (for Shula).

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

YUGOSLAVIA/Chemical Technology - Chemical Products and Their Application. Photographic Materials. H.

Abs Jour : Ref Zhur - Khimiya, No 10, 1959, 36261

Author : Zebec, N.
Inst :
Title : Photography of Fluorescent Colors, Stimulated by Ultra-Violet Radiation.

Orig Pub : Kemija u industriji, 1957, 6, No 5, F20-F22.

Abstract : No abstract.

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APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

Zebek, M.

Influence of the protein and carbohydrate fractions of the Vi-Bathnagar strain of Salmonella typhosa on the velocity of diffusion of the anti Vi bacteriophage. M. Mouzeles, J. Georgiades, and M. Zebek (Państwowy Inst. Med. Morskiej i Tropikalnej, Gdańsk). *Bull. State Inst. Marine and Trop. Med. Gdansk, Poland* 6, 143-62(1955). - Diffusion of the bacteriophage anti Vi through semipermeable membranes was not affected by the protein fraction of the bacterium Vi-Bathnagar (I); it (5.1% but was increased by the endotoxin of I obtained by trp and ppta (7.2 ± 1.3%). The endotoxin sepd. into 2 polysaccharide fractions, the first inhibited (6.4 ± 20%) while the second increased the diffusion (25.4 ± 2%).

I. I. Piotrowski

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ZEBEK, MARIA

MORZYCKI, Jerzy; MORZYCKA, Maria; GEORGIADES, Jerzy; TOMASZUNAS, Stanislaw; RUGE, Jerzy; ZEBEK, Maria

Bacteriologic, bacteriophagic and chemical studies on the Warsaw-Ujscie stretch of Vistula. Bull. State Inst. Marine Trop. M. Gdansk Vol.5:255-266 1953.

1. Z Panstwowego Instytutu Medycyny Morskiej i Tropikalnej w Gdansku.

(WATER,
*river pollution in Poland)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ZEBEK, MARIA

Bacteriological, bacteriophagic, and chemical investigations of the Vistula River in the section from Warsaw to the river's mouth. II. Jerzy Morzycki, Maria Morzycka, Jerzy Georgiades, Stanisław Tomaszunas, Jerzy Ruge, and Maria Zebek (Państwowy Inst. Med. Morskiej i Tropikalnej, Gdańsk). *Bull. State Inst. Marine and Trop. Med. Gdańsk, Poland* 5, 255-60(1953).—The concn. of free O_2 gave the best index of pollution in the samples of H_2O taken in the vicinity of bigger settlements, of urban and industrial sewers, and near the mouths of the river's tributaries. No correlation was found between pollution and pH, CO_2, and Cl concn.

L. J. Piotrowski

(7)

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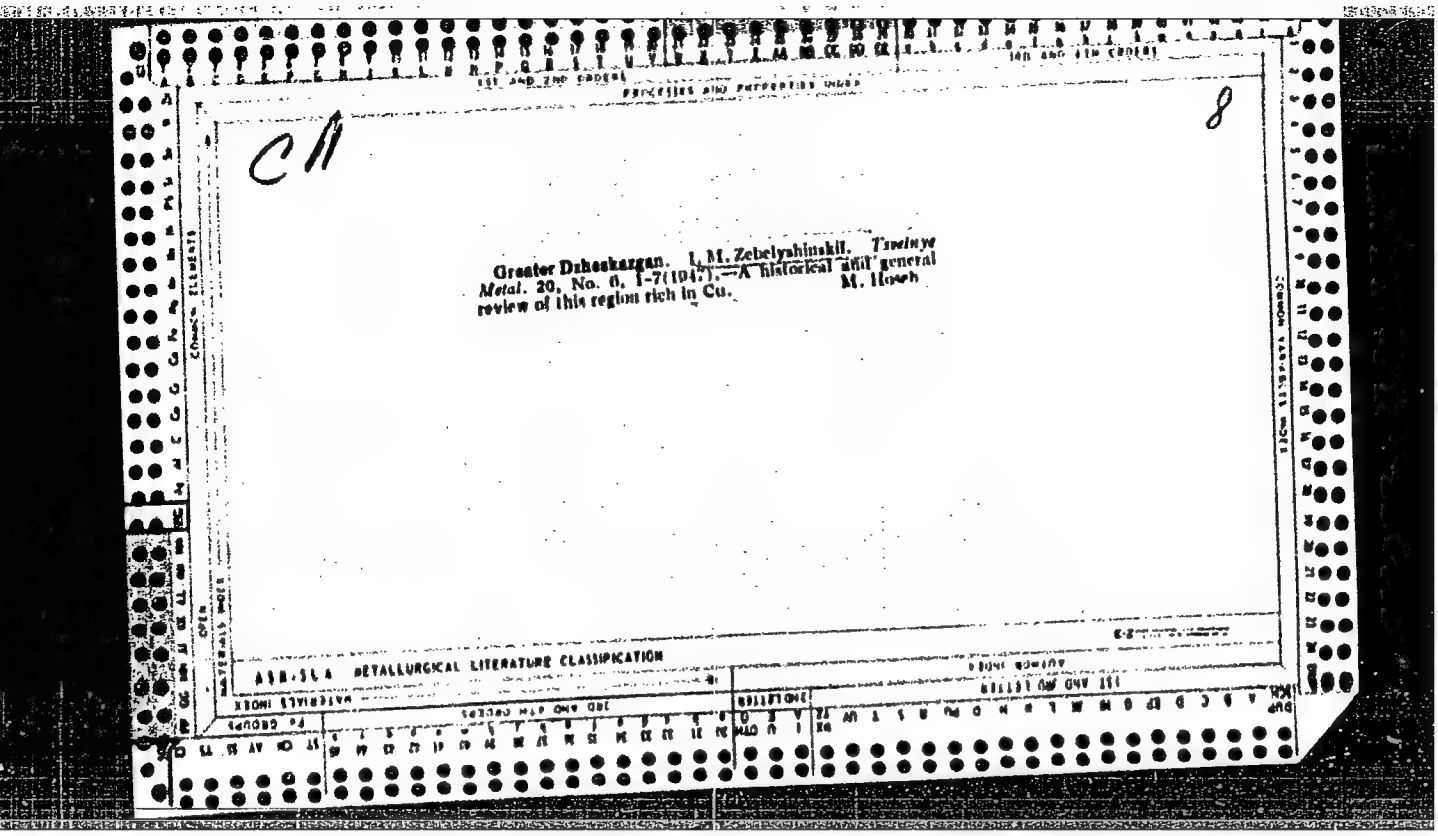

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ZEBERA, Karel

Methods of the basic geological survey and mapping of the Quaternary mantle formations and marl rocks. Geol prace 64:21-26 '63.

1. Central Geological Institute, Prague.

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ZEBERA, K.

"The practical meaning of research on Quaternary cover formations and coatings of decomposed rock" p. 5 (Anthropozoikum, Vol. 1, 1951, Praha)

SO: Monthly List of ~~Russian~~ East European Accessions, Vol. 3, No. 3 Library of Congress, March 1954, Uncl.

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ZEBERA, KAREL

"Les plus anciens monuments du travail humain de Boheme. Prague, Prirodovedecke vydavatelstvi, 1952. (Rozpravy du Service geologique de Tehecoslovaquie, v. 14) [Oldest monuments of human activities in Bohemia. In French. Tr. from the Czech. illus., 42 plates, maps (1 fold.), bibl.]

p.72 (Prague, Prirodovedecke vydamatelstvi, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 8, August 1958

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ZEBERA, K.

A report on the experiences of my study tour which was related to Hungarian quanternary formations. p. 529.

Hungary. Foldtani Intezet. A MAGYAR ALLAMI FOLDTANI INTEZET EVI JELENTESE. Budapest, Hungary. Pt. 2, 1953 (published 1955)

Monthly list of East European Accessions (EEAI), LC, Vol. 8, no. 7, July 1959 uncla.

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ZEBERA, K...l

SURNAME, Given Names

Country: [illegible]

Academic Degrees: [illegible]

Affiliation: [illegible], Prague.

Source: Prague, [illegible], Vol XXVI, No 6, 19[illegible], pp 457-466.

Data: "[illegible] in Utlaves below Min." [In German]

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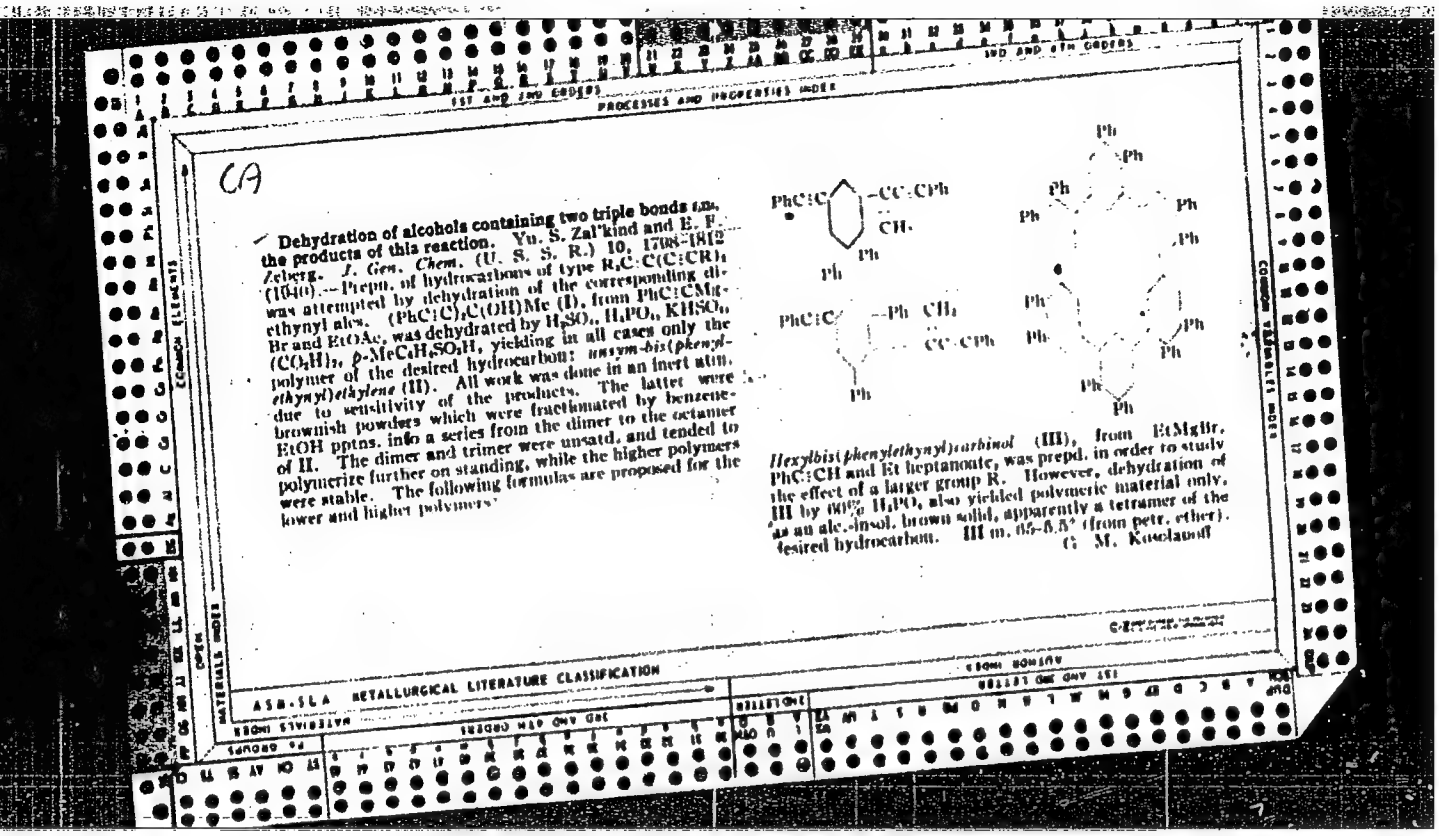

CA

Dehydration of alcohols containing two triple bonds and the products of this reaction. Yu. S. Zal'kind and E. F. Zeberg. *J. Gen. Chem.* (U. S. S. R.) 10, 1708–1812 (1940).—Prepn. of hydrocarbons of type $R_2C(C{\equiv}CR)_2$ was attempted by dehydration of the corresponding diethynyl alcs. $(PhC{\equiv}C)_2C(OH)Me$ (I), from $PhC{\equiv}CMgBr$ and EtOAc, was dehydrated by H_2SO_4, H_3PO_4, $KHSO_4$, $(CO_2H)_2$, *p*-$MeC_6H_4SO_3H$, yielding in all cases only the polymer of the desired hydrocarbon: *unsym-bis(phenylethynyl)ethylene* (II). All work was done in an inert atm. due to sensitivity of the products. The latter were brownish powders which were fractionated by benzene-EtOH pptns. into a series from the dimer to the octamer of II. The dimer and trimer were unsatd. and tended to polymerize further on standing, while the higher polymers were stable. The following formulas are proposed for the lower and higher polymers:

Hexylbis(phenylethynyl)carbinol (III), from EtMgBr, $PhC{\equiv}CH$ and Et heptanoate, was prepd. in order to study the effect of a larger group R. However, dehydration of III by 60% H_3PO_4 also yielded polymeric material only, as an alc.-insol. brown solid, apparently a tetramer of the desired hydrocarbon. III m. 65–6.5° (from petr. ether).

G. M. Kosolapoff

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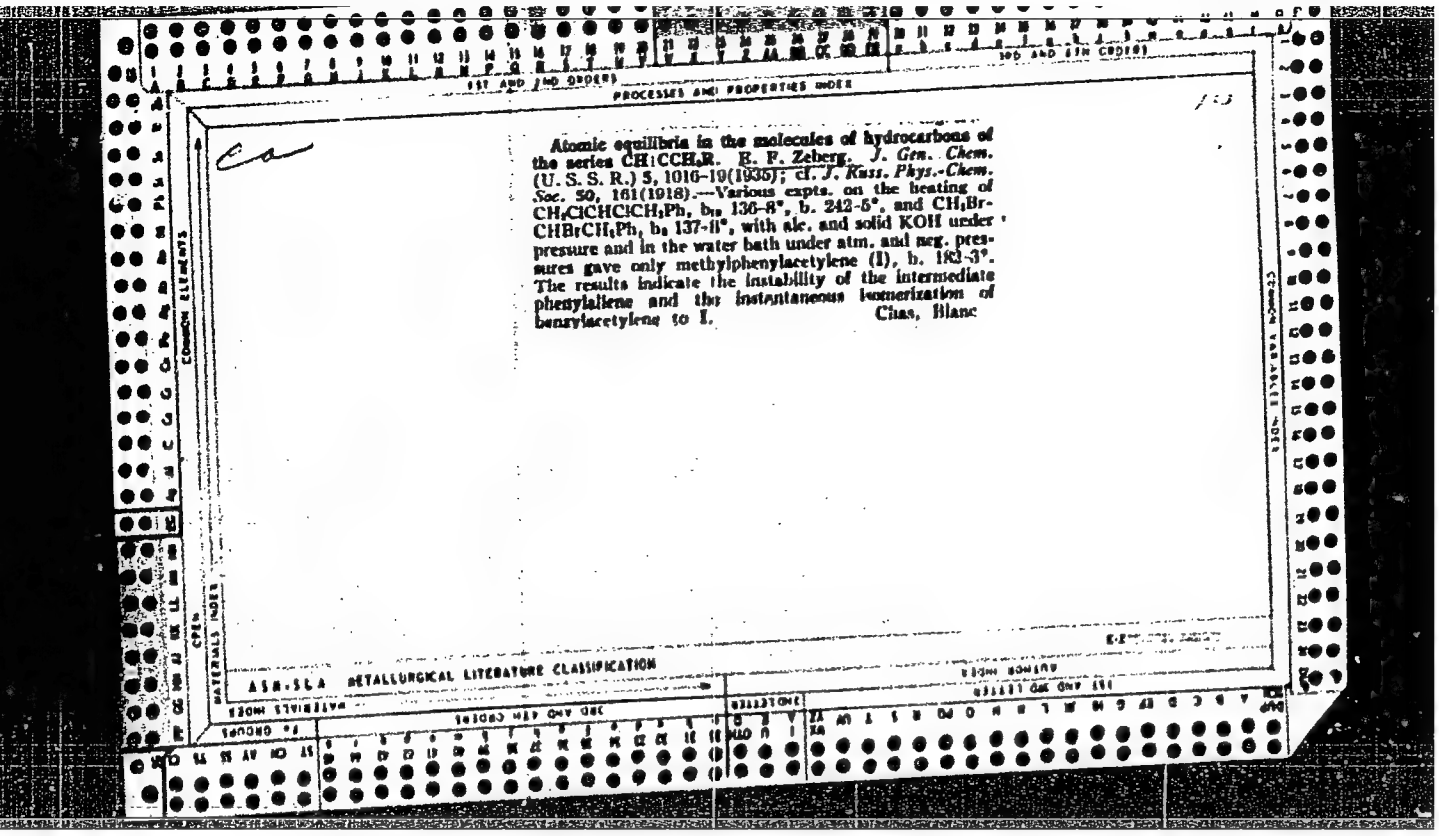

Atomic equilibria in the molecules of hydrocarbons of the series $CH{:}CCH_2R$. E. F. Zeberg. *J. Gen. Chem.* (U. S. S. R.) 5, 1016–19(1935); cf. *J. Russ. Phys.-Chem. Soc.* 50, 161(1918).—Various expts. on the heating of $CH_2ClCHClCH_2Ph$, b_{15} 136–8°, b. 242–5°, and CH_2Br-$CHBrCH_2Ph$, b_5 137–11°, with alc. and solid KOH under pressure and in the water bath under atm. and neg. pressures gave only methylphenylacetylene (I), b. 182–3°. The results indicate the instability of the intermediate phenylallene and the instantaneous isomerization of benzylacetylene to I.
Cias, Blanc

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ZEBERG, E. F.

M. V. Likhosherstov, E. F. Zeberg, and I. V. Karitskaya - "Studies in the field of furan derivatives. II. Preparation and properties of esters of y-ketopimelic acid." (p. 635)

SO: Journal of General Chemistry, (Zhurnal Obshchei Khimii), 1950, Vol. 20, No. 4.

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

ZEBERG, E. F.

M. V. Likhosherstov, A. A. Arsenyuk, E. F. Zeberg, and I. V. Karitskaya - "Studies in the field of furan derivatives. I. Preparation and some properties of furylacrolein and furylallyl alcohol." (p. 627)

SO: Journal of General Chemistry, (Zhurnal Obshchei Khimii), 1950, Vol. 20, No. 4.

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2

Furan derivatives. II. Synthesis and properties of esters of 2-ketopimello[3-ketopentane-1 : 5-dicarboxylic] acid. M. V. Likhosherstov, L. P. Zelinskiĭ, and G. S. Skorobogatova. *J. Gen. Chem. USSR*, 1950, 20, 635–640 (U.S. transl., 671—675).—Ring-fission of furylacrylic acid to $CO_2(CH_2{\cdot}CH_2{\cdot}CO_2R)_2$ by gaseous HCl is independent of the alcoholic solvent used. The acid is first esterified, and more HCl then breaks the ring; if insufficient HCl is used, some of the furylacrylate is recovered, but too great an excess of HCl causes resinification.

Passing HCl (from 13 g. of NH_4Cl) through a solution of furylacrylic acid, m.p. 140—141° (13·8 g.) in Pr^nOH (35 g.) at 70° for 30 min., boiling (2 hr.), removing solvent, and washing with aq. Na_2CO_3 afford Pr^n_2 3-ketopentane-1 : 5-dicarboxylate, $C_{15}H_{24}O_5$ (22·5 g.), b.p. 201°/20 mm., d^{18}_4 1·0441, n^{18}_D 1·4442 (phenylhydrazone, m.p. 50°). Analogously prepared are the esters: Me_2, $C_9H_{14}O_5$, m.p. 54° (phenylhydrazone, m.p. 84°), Et_2, $C_{11}H_{18}O_5$, b.p. 182°/20 mm., d^{18}_4 1·0353, n^{18}_D 1·4432 (*phenylhydrazone*, $C_{17}H_{24}O_4N_2$, m.p. 63°), Bu^n_2, $C_{19}H_{34}O_5$, b.p. 216°/20 mm., d^{18}_4 1·0179, n^{18}_D 1·4448 (phenylhydrazone, m.p. 53°), Bu^i_2, $C_{19}H_{34}O_5$, b.p. 203°/20 mm., d^{18}_4 1·0089, n^{18}_D 1·4420 (phenylhydrazone, m.p. 66·5°), and diisopentyl 3-ketopentane-1 : 5-dicarboxylate, $C_{21}H_{38}O_5$, b.p. 221·5°/20 mm., d^{18}_4 0·9966, n^{18}_D 1·4482 (phenylhydrazone, m.p. 56·5°). 3-Ketopentane-1 : 5-dicarboxylic acid, m.p. 142°, is obtained in the course of preparing the Me_2 ester, by addition of aq. NaOH before working up. A by-product in the preparation of the diisopentyl ester is *isopentyl furylacrylate*, b.p. [illegible] mm., d^{18}_4 1·0015, d^{18}_4 1·0229, n^{18}_D 1·5221.

R. S. Cahn.

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ZEBERG, E. F.
M. V. LIKHOSHERSTOV, ZhOKh 20, 663-70, 1950

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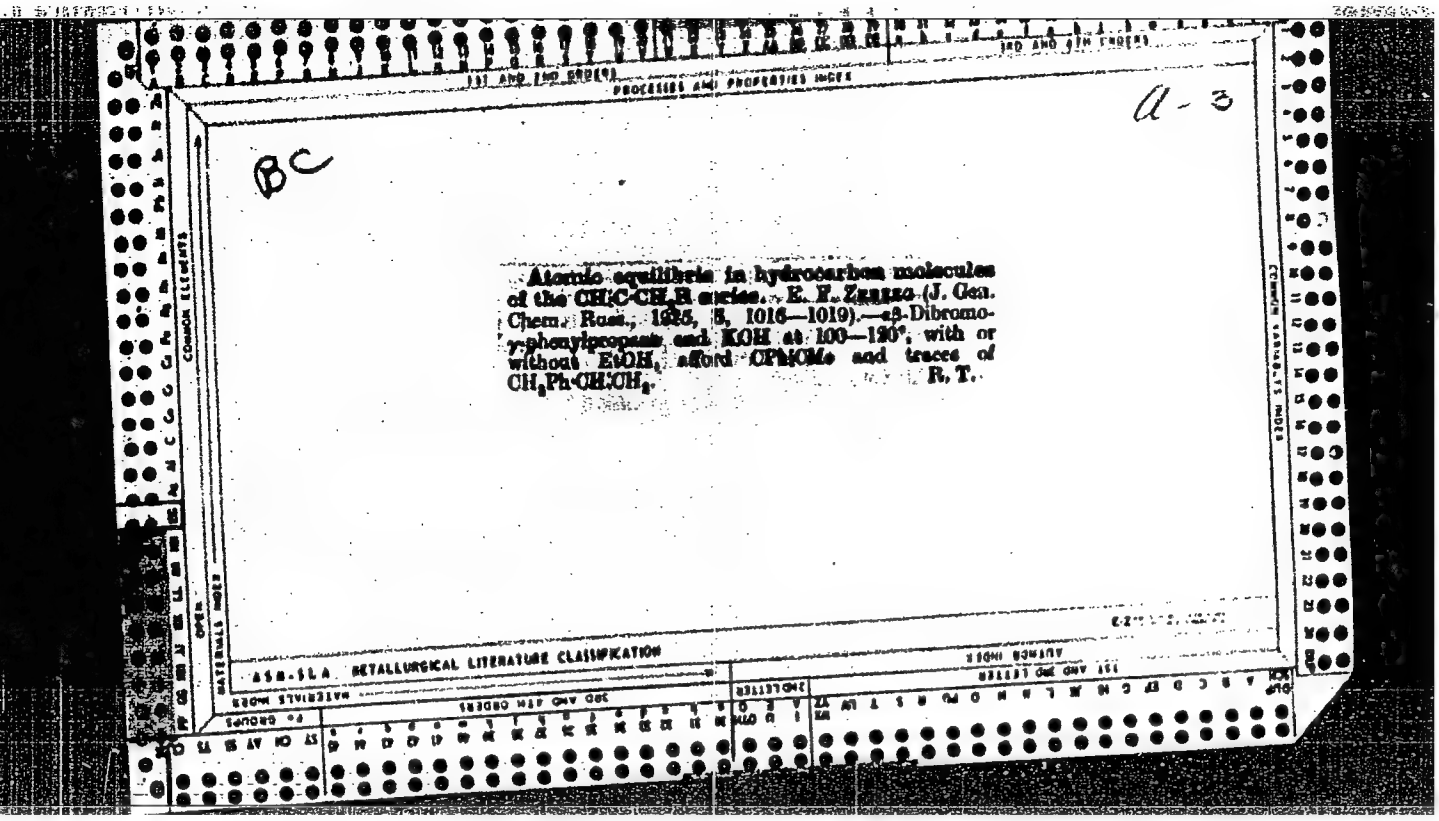

a-3

BC

Atomic equilibria in hydrocarbon molecules of the CH:C·CH$_2$R series. E. F. Zhuzze (J. Gen. Chem. Russ., 1935, 5, 1016—1019).—α3-Dibromo-γ-phenylpropane and KOH at 100—120°, with or without EtOH, afford OPhOMe and traces of CH$_2$Ph·CH:CH$_2$. R. T.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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A-3

Dehydration of [illegible] **alcohols and the products of the reaction.** [illegible] and E. F. Zeberg. *J. Gen. Chem. Russ.* 1940, [illegible].—Dehydration of $(CPh{:}C)_2CMe{\cdot}OH$ by various agents leads to polymers $(C_{18}H_{14})_n$ of $(CPh{:}C)_2C{:}CH_2$, and dehydration of [illegible] gives the corresponding tetramer. The reaction mechanism is discussed. Mol. wts. are determined cryoscopically.

$(CPh{:}C)_2$[illegible] H_2SO_4 (800 ml.), EtOH (40 ml.), and a trace of quinol at [illegible] (1 hr.) give a *dimer* $(C_{18}H_{14})_2$, m.p. 183°, 186° (decomp.). Similar treatment with 65% H_2SO_4 and fractional pptn. of the product from Et_2O by EtOH gives *polymers* $(C_{18}H_{14})_n$ (*A*) (n = 2, 3, 4, 5, and 6). The use of $KHSO_4$ results in *A* (n = 3 and 4), of H_3PO_4 in *A* (n = 3 and 5), of p-$C_6H_4Me{\cdot}SO_3H$ in products *A* (n ≮ 6). The class of *A* increases on keeping in a desiccator over H_2SO_4 or $CaCl_2$. Oxidation of *A* with $KMnO_4$ or CrO_3 gives an *acid*, [illegible], higher products, and BzOH. *Di-(phenylethynyl)-n-hexylcarbinol*, m.p. 65°, from CH:CPh, MgEtBr, and n-$C_6H_{13}{\cdot}CO_2Et$, on dehydration with H_3PO_4 gives *polymers*, $(C_{22}H_{22})_n$, n = 4 and 5.

E. A. B.

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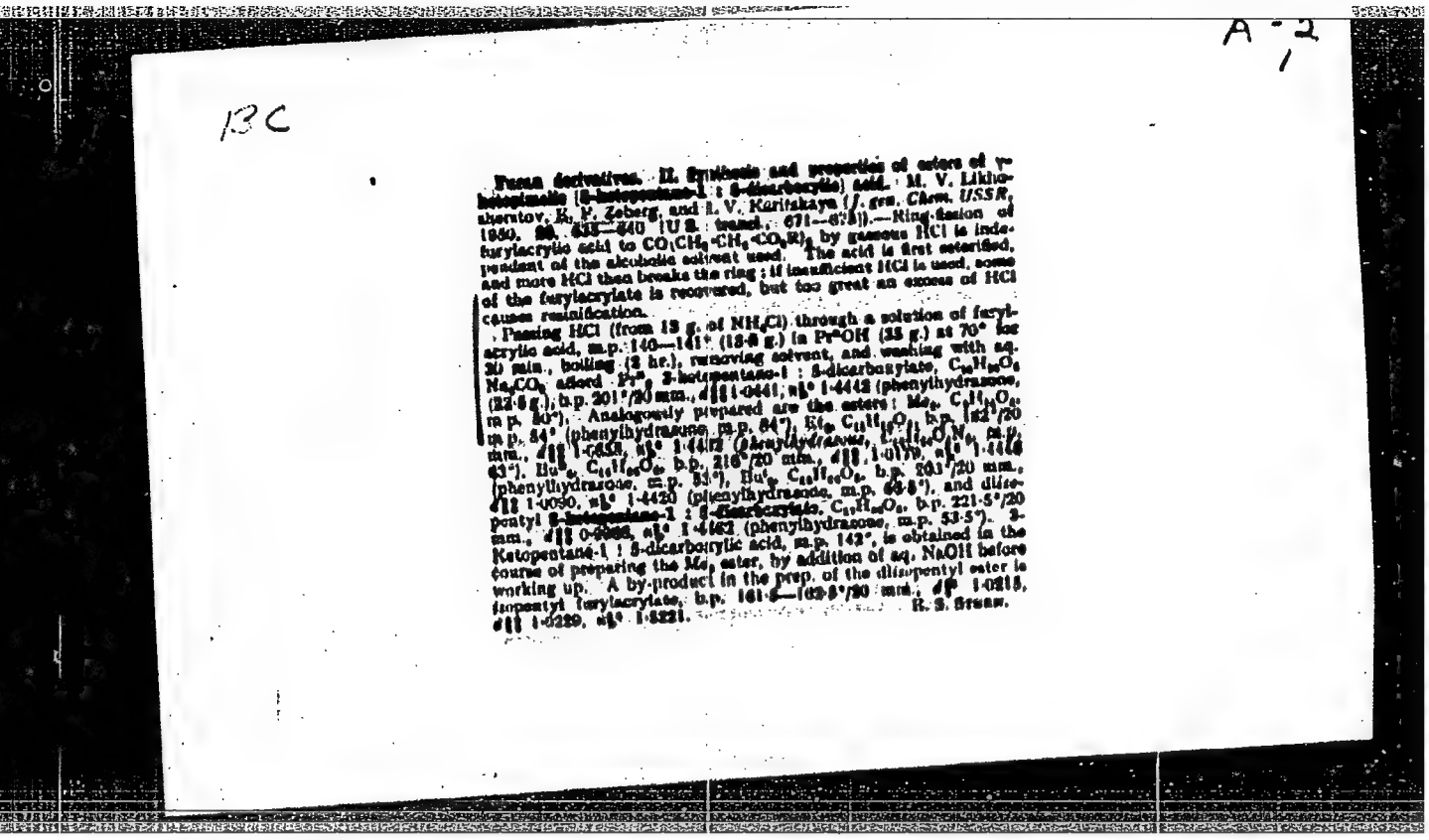

A-2
1

13C

Furan derivatives. II. Synthesis and properties of esters of γ-hexapimalic (5-isopentane-1 : 5-dicarboxylic) acid. M. V. Likhoshertov, Kh. P. Zeberg, and I. V. Karitskaya (*J. gen. Chem. USSR*, 1950, **20**, 433—440 [U.S. transl., 671—678]).—Ring-fission of furylacrylic acid to $CO_2CH_2{\cdot}CH_2{\cdot}CH_2{\cdot}CO_2R$ by gaseous HCl is independent of the alcoholic solvent used. The acid is first esterified, and more HCl then breaks the ring; if insufficient HCl is used, some of the furylacrylate is recovered, but too great an excess of HCl causes resinification.

Passing HCl (from 13 g. of NH_4Cl) through a solution of furylacrylic acid, m.p. 140—141° (18·8 g.) in $Pr^{\beta}OH$ (35 g.) at 70° for 30 min., boiling (2 hr.), removing solvent, and washing with aq. Na_2CO_3 afford Pr^{β} 5-isopentane-1 : 5-dicarboxylate, $C_{16}H_{28}O_6$ (22·6 g.), b.p. 201°/20 mm., d_4^{15} 1·0441, n_D^{15} 1·4442 (phenylhydrazone, m.p. 80°). Analogously prepared are the esters: Me_2, $C_{12}H_{20}O_6$, m.p. 84° (phenylhydrazone, m.p. 84°), Et_2, $C_{14}H_{24}O_6$, b.p. 182°/20 mm., d_4^{15} 1·0453, n_D^{15} 1·4442 (phenylhydrazone, $C_{20}H_{30}O_5N_4$, m.p. 63°), Bu^{α}_2, $C_{18}H_{32}O_6$, b.p. 216°/20 mm., d_4^{15} 1·0179, n_D^{15} 1·4474 (phenylhydrazone, m.p. 83°), Bu^{β}_2, $C_{18}H_{32}O_6$, b.p. 201°/20 mm., d_4^{15} 1·0090, n_D^{15} 1·4420 (phenylhydrazone, m.p. 64·5°), and di-isopentyl 5-isopentane-1 : 5-dicarboxylate, $C_{21}H_{38}O_6$, b.p. 221·5°/20 mm., d_4^{15} 0·9983, n_D^{15} 1·4462 (phenylhydrazone, m.p. 53·5°). 3-Ketopentane-1 : 5-dicarboxylic acid, m.p. 142°, is obtained in the course of preparing the Me_2 ester, by addition of aq. NaOH before working up. A by-product in the prep. of the di-isopentyl ester is isopentyl furylacrylate, b.p. 161·5—162·5°/20 mm., d_4^{15} 1·0215, d_4^{15} 1·0229, n_D^{15} 1·5221.

R. S. Stead.

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BLOK. V.M. (Riga); ZEBERG, R.E. (Riga); GUSEVA, S.A. (Riga)

Choice of optimum wire and cable sizes taking into account economic sizing intervals. Elektrichestvo no.5:13-16 My '64. (MIRA 17:6)

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ZEBERG, V.[Zebergs, V.]

Conference on prospects and tasks in the development of a liquefied gas supply for household and industrial use. Vestis Latv ak no.9:181-182 '60. (EEAI 10:9)

(Gas)

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ZEBERG, Ye.; EYDUK, Yu.; REYNIS, V.

Some methods of petrographic examination applied to the study of glazes. Nauch.dokl.vys.shkoly; khim.i khim.tekh. no.1:177-180 '59. (MIRA 12:5)

1. Predstavlena kafedroy tekhnologii silikatov Latviyskogo gosudarstvennogo universiteta im. Petra Stuchki.
(Glazes)

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ZAL'KIND, Yu. S. and ZEBERG, Ye. F.

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Laboratory of Organic Chemistry, Leningrad Chemico-Technological Institute

Received 13 June 1940

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27325. ZEBERG, G. E. - Protiv reaktsionnykh biologicheskikh teoriy v meditsine. V SB: Nauch. Sessiya (Akad. Nauk eston. SSR, otd-nie med. Nauk) 10-11 dek. 1948 G. Tema: Tuberkulez i revmatizm. Tartu, 1949, S. 10-27. --Na eston. yaz--rezyume na rus. Yaz.

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SO: U-3600, 10 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 6, 1949).

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ZEBERG, T. E.

27368. ZEBERG, T. E. Nervnaya sistema v patogeneze tuberkuleza. V sb: Nauch. sessiya (Akad. Nauk Eston. SSR, OTD-NIYE Med. Nauk) 10-11 Dek. 1948 G. Tema: Tuberkulez I revmatizm. Tartu, 1949, s. 42-54.- Na eston. Yaz--rezyume na rus. Yaz.

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SOV/156-59-1-46/54

15(2)
AUTHORS: Zebergs, E., Eiduks, J., Reinis, V.

TITLE: Some Methods of Petrographic Research in Application to the Investigation of Glazes (Nekotoryye metody petrograficheskogo issledovaniya v primenenii k izucheniyu glazurey)

PERIODICAL: Nauchnyye doklady vysshey shkoly. Khimiya i khimicheskaya tekhnologiya, 1959, Nr 1, pp 177 - 180 (USSR)

ABSTRACT: For the investigation of the interaction between glaze and body polishes were made vertically to the surface of the glaze and investigated in a polarization microscope with a lateral screening of the field of vision. By this method details and flaws that are not noticeable in ordinary light are clearly revealed (Figure). The refraction indices found by means of the immersion method (Table) also numerically proved these flaws. In flawless glazes with a constant course of the refraction index the intensity of the interaction (of the metamorphic layer) between glaze and body cannot be detected. In this case, flat slabs are sawed from the body vertically to the glaze. One side of the slab is polished and put into a 1%-solution of rhodamine B for 24 hours. After washing and

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drying, such polished sections, under a binocular microscope, clearly show different color zones which can easily be measured micrometrically. Some glazes on faience bodies do not reveal any zones even after an application of this method. In this case, the body is covered with only a thin strip of glaze, polished after firing, and superficially stained with rhodamine B. Under the microscope the glaze intrusion into the body can be seen and measured. The microscopic photographs obtained by means of the procedures specified are given. There are 4 figures, 1 table, and 6 references, 4 of which are Soviet.

ASSOCIATION: Kafedra tekhnologii silikatov Latviyskogo gosudarstvennogo universiteta im. Petra Stuchki (Chair of the Technology of Silicates of Latvian State University imeni Petr Stuchka)

SUBMITTED: June 16, 1958

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964210015-2"

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MORZYCKA, M.; GEORGIADES, J.; ZEBEK, H.

Effect of protein and carbohydrate fractions of Salmonella typhi strain Vi-Bathnagar on diffusion rate of anti-Vi bacteriophage. Bull. Inst. Marine Trop. M.Gdańsk 6:143-160 1955.

1. Z Panstwowego Instytutu Medycyny Morskiej i Tropikalnej w Gdansku.

(SALMONELLA, TYPHOSA,
Vi-Bathnagar Strain, eff. of protein & carbohydrate fractions on anti-Vi bacteriophage diffusion)
(BACTERIOPHAGE,
anti-Vi, eff. of Salmonella typhosa Vi-Bathnagar protein & carbohydrate fractions on diffusion rate)

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Possibilities of using the phenol resins. Kemija u industriji no.5:293-294 My '62.

1. Chromos, Zagreb.

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Possibilities of utilizing phenolaldehyde plastic materials. Kem ind 11 no.12:731-736 D '62.

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